10/20/20 15:58:47/60

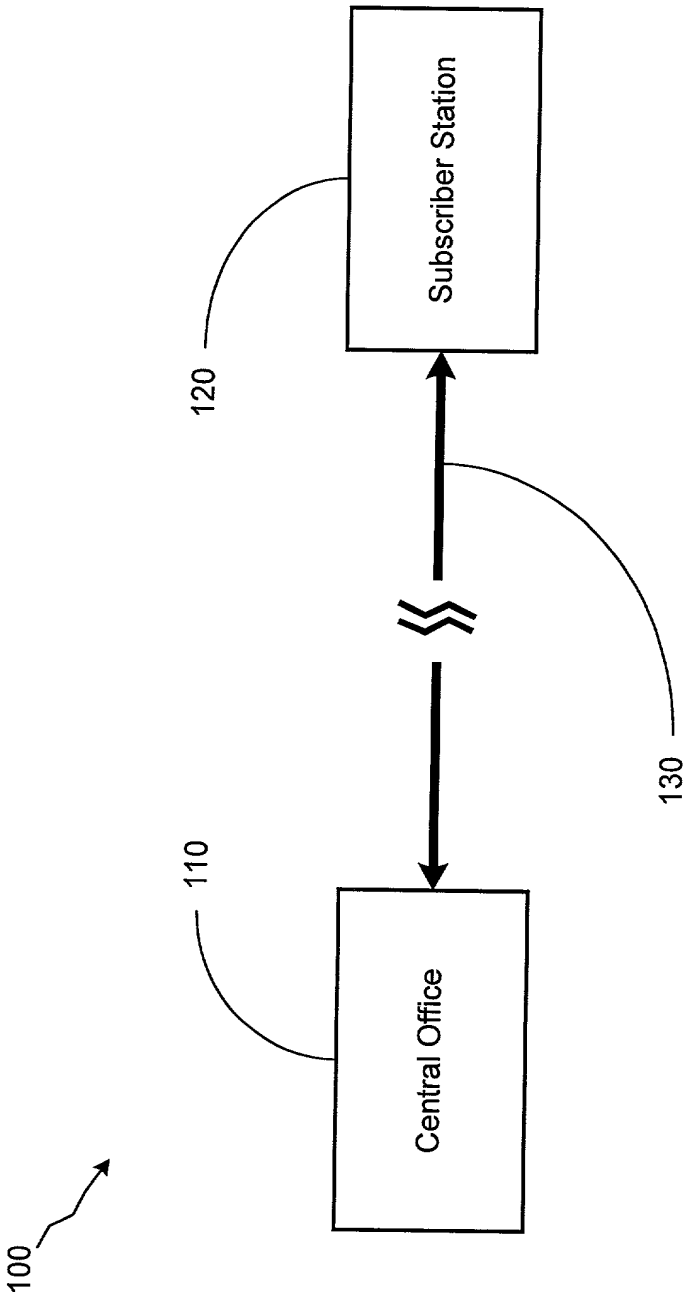

FIGURE 1

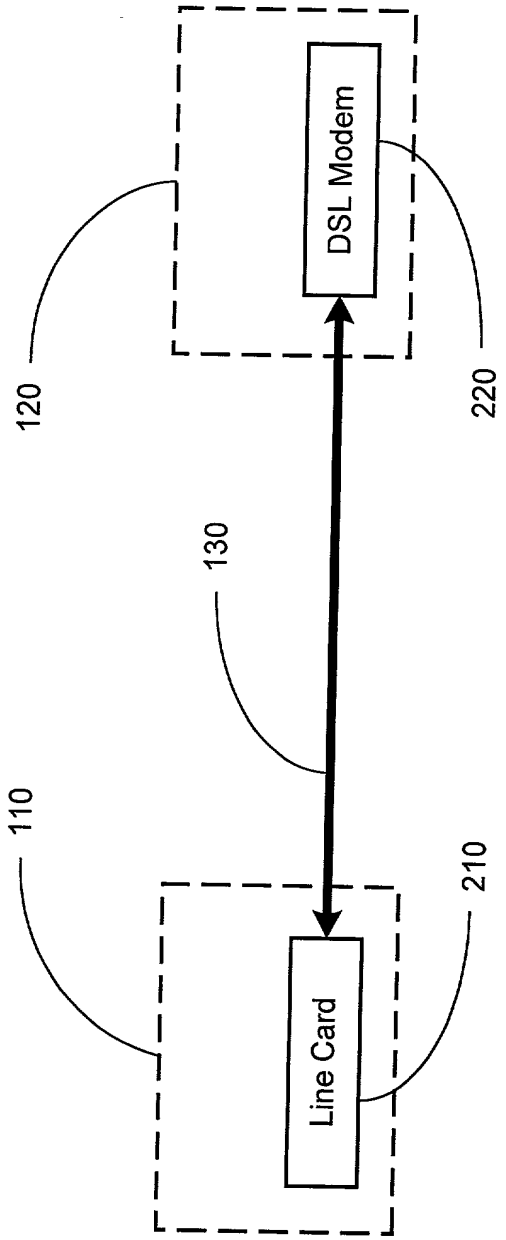

FIGURE 2

Replacement Sheet

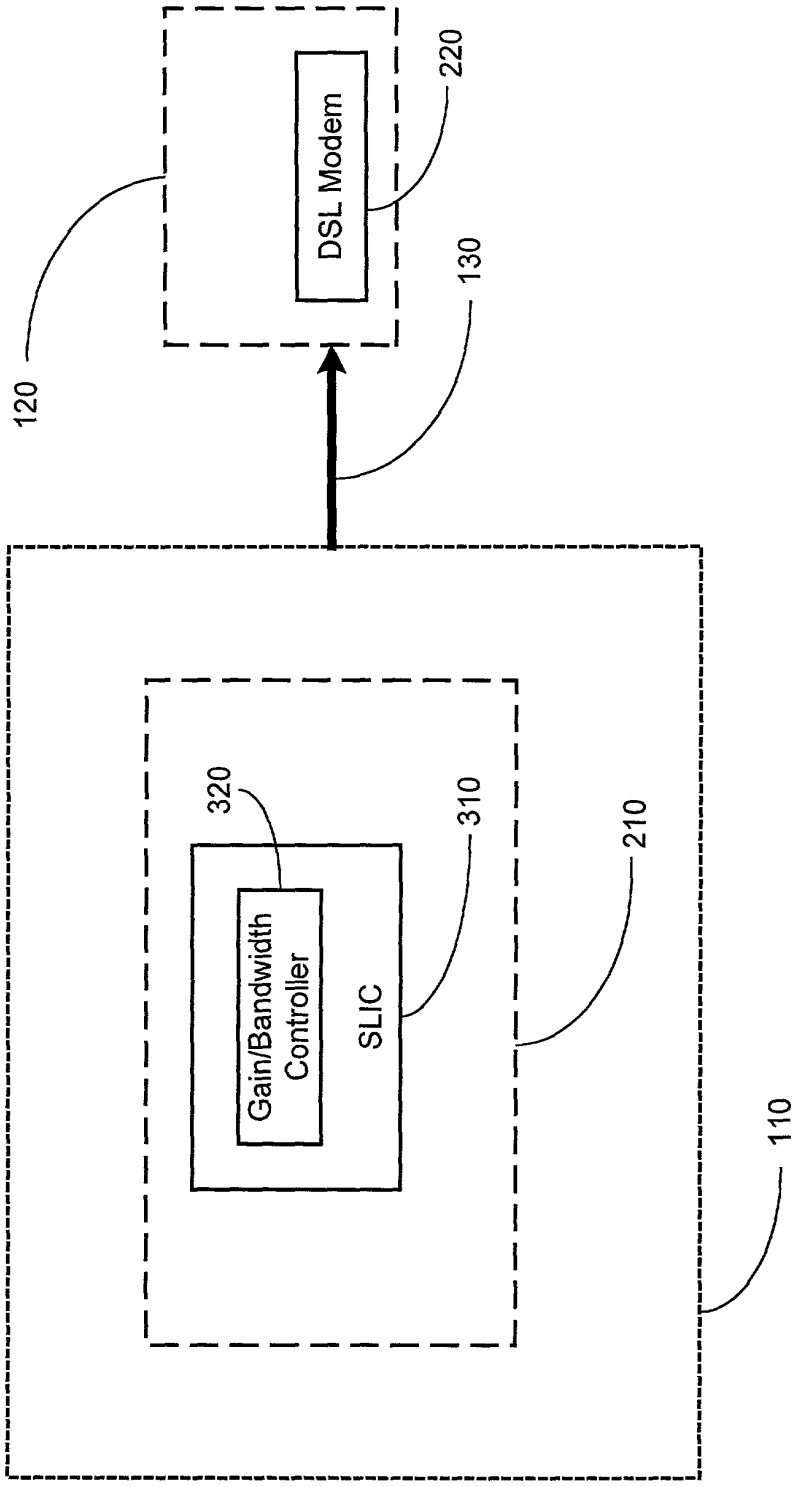

FIGURE 3

Toshiba TC35273

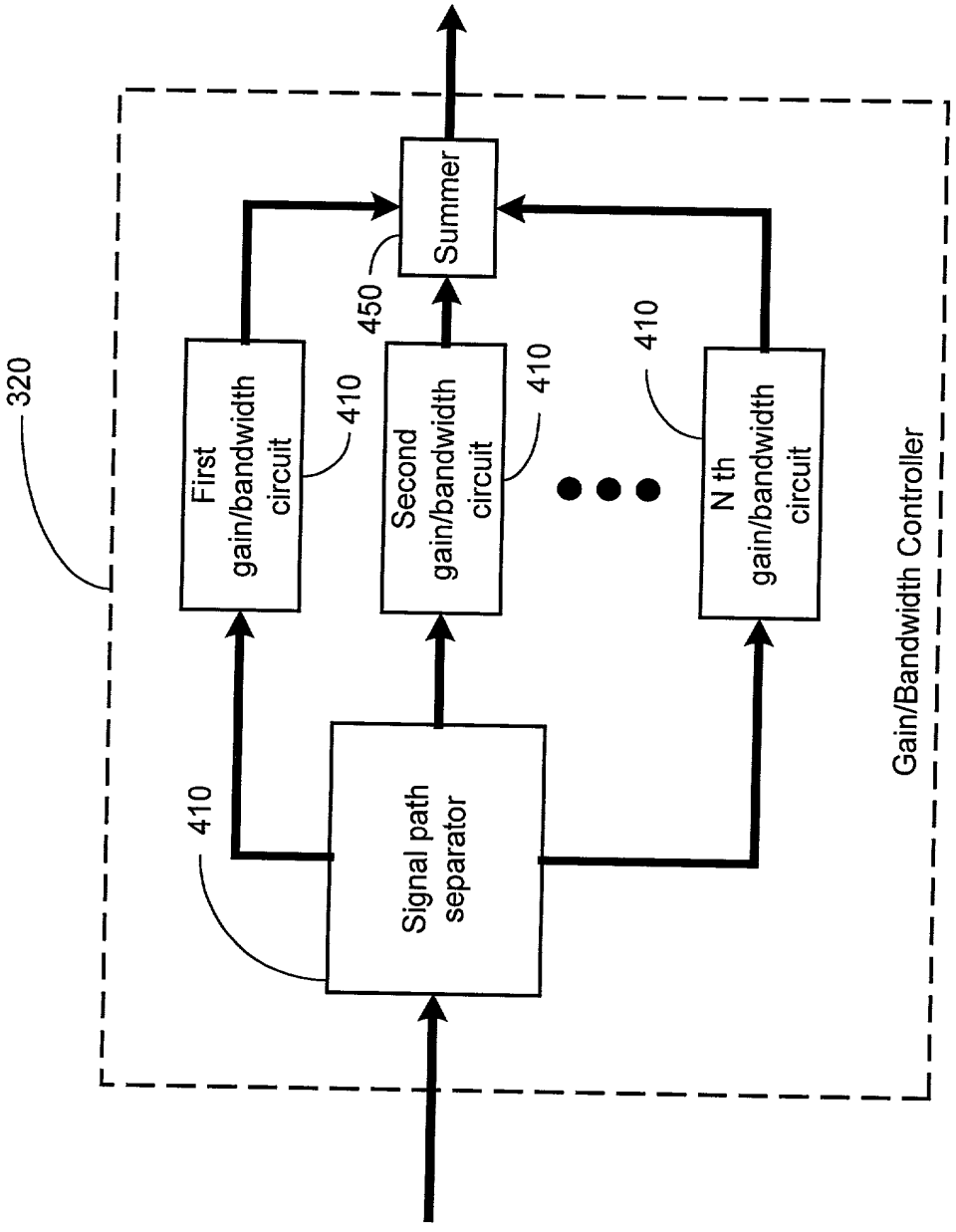
320
Gain/Bandwidth Controller
Signal path separator
410
First gain/bandwidth circuit
410
Second gain/bandwidth circuit
410
N th gain/bandwidth circuit
410
Summer
450

FIGURE 4

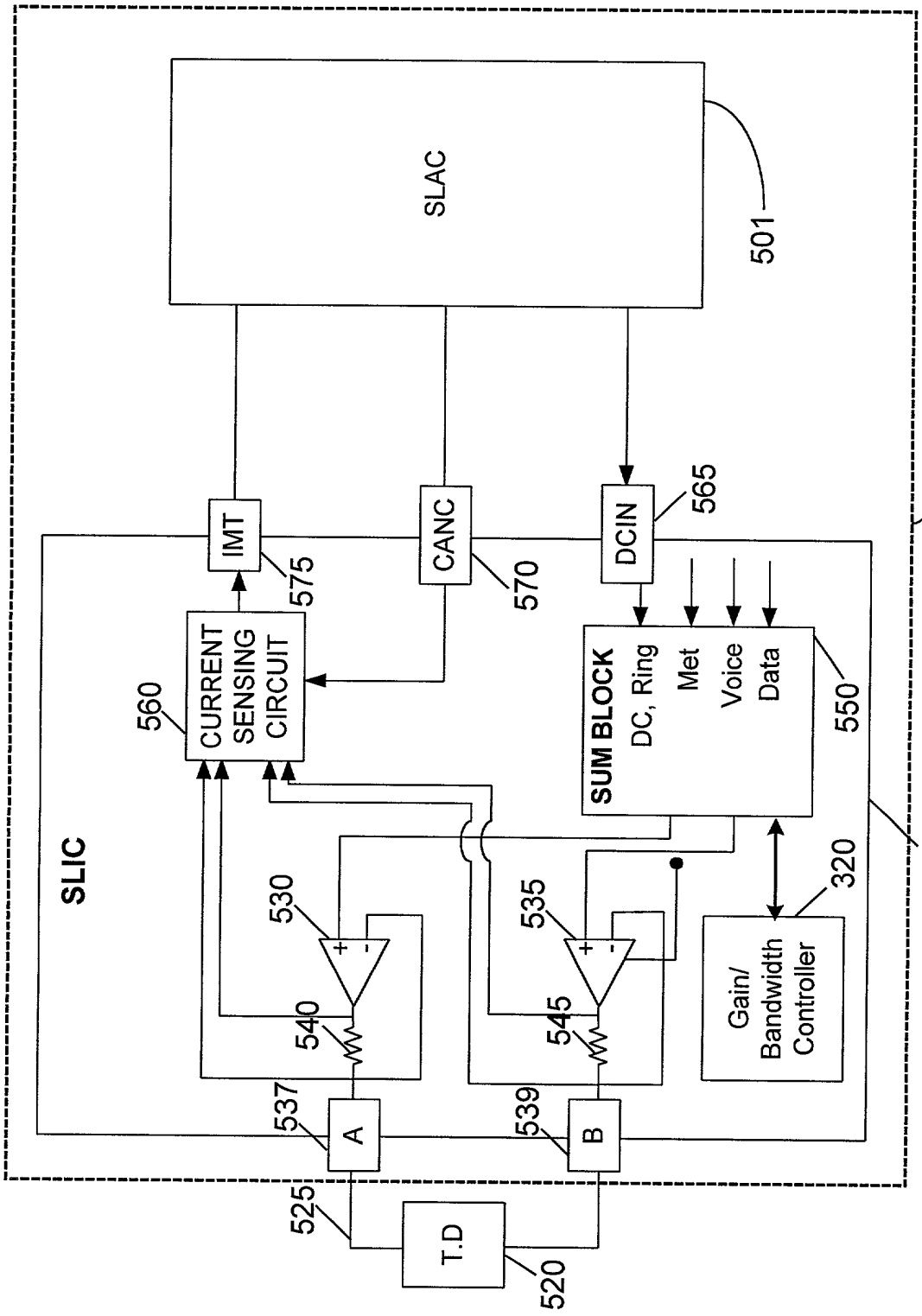
SLAC
501
210
SLIC
IMT
575
CANC
570
DCIN
565
CURRENT SENSING CIRCUIT
560
SUM BLOCK
DC, Ring
Met
Voice
Data
550
310
320
530
535
540
545
Gain/ Bandwidth Controller
537
A
539
B
525
T.D
520

FIGURE 5A

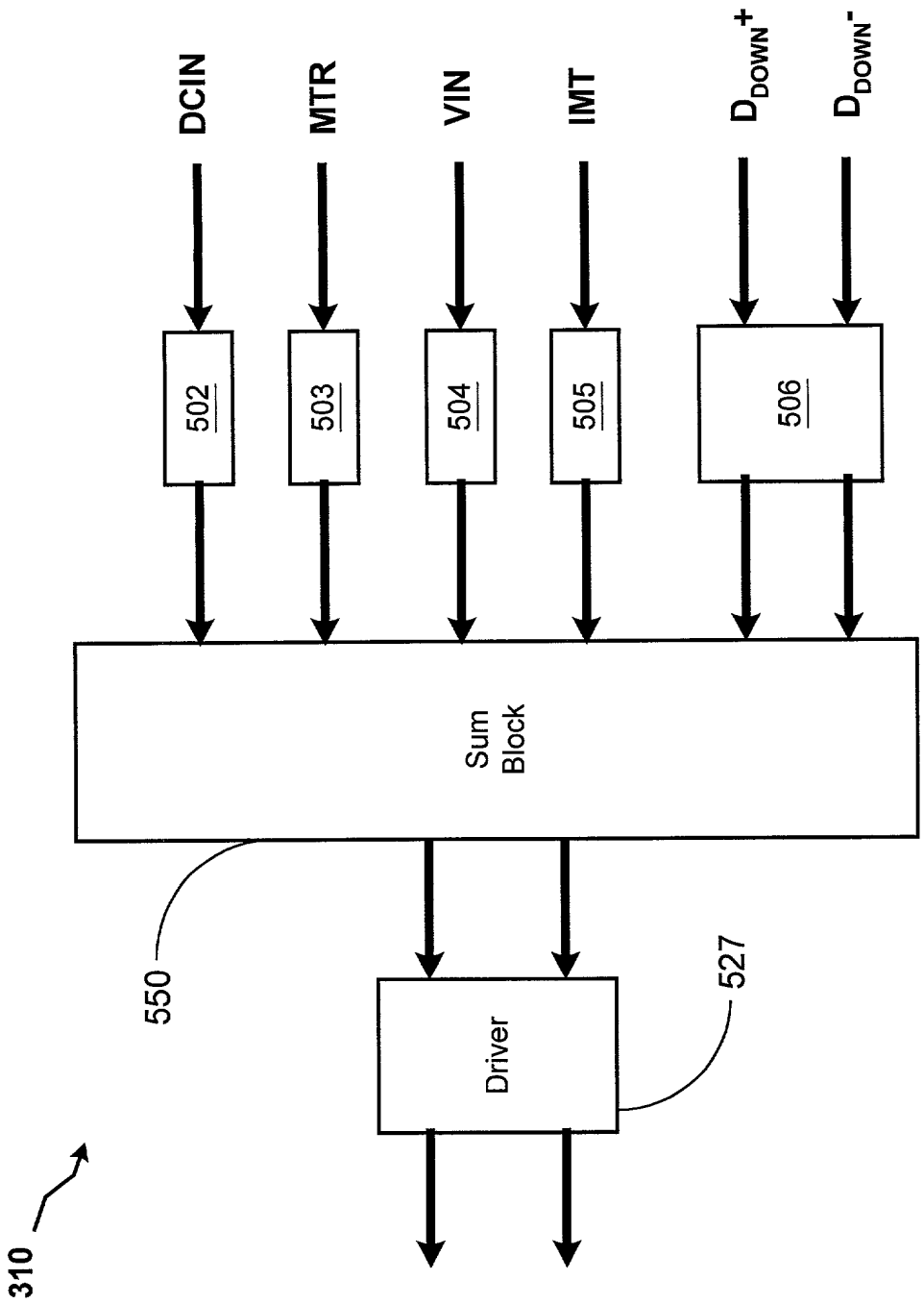
DCIN
MTR
VIN
IMT
D_{DOWN}^{+}
D_{DOWN}^{-}
502
503
504
505
506
Sum Block
550
Driver
527
310

FIGURE 5B

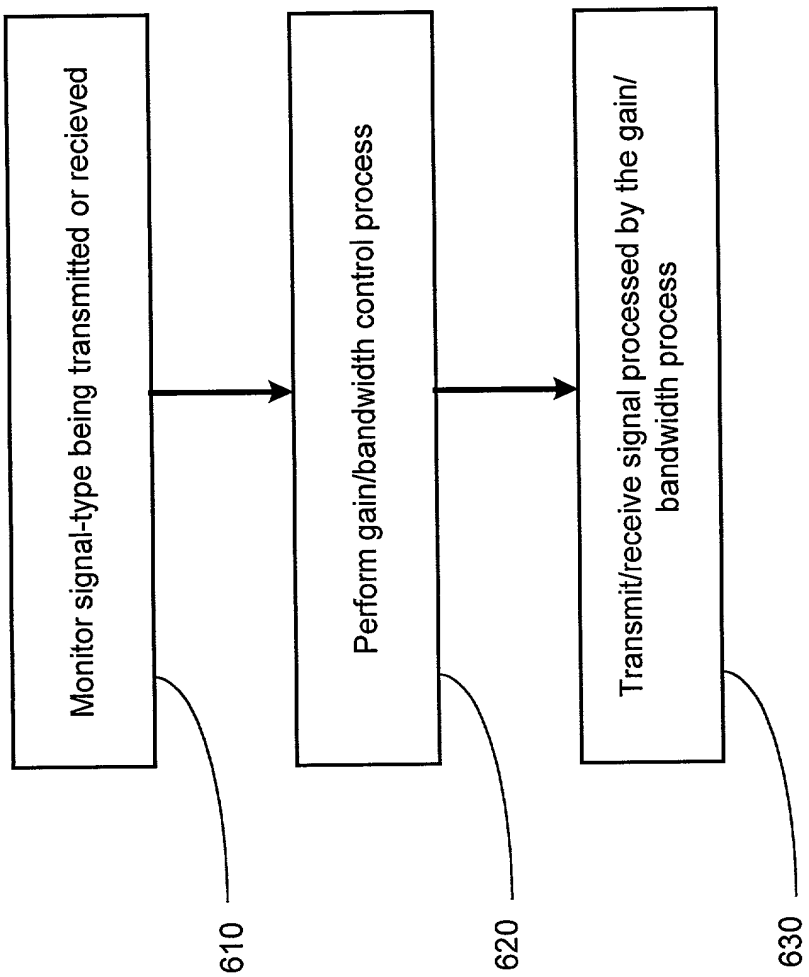
Monitor signal-type being transmitted or recieved
Perform gain/bandwidth control process
Transmit/receive signal processed by the gain/ bandwidth process
610
620
630

FIGURE 6

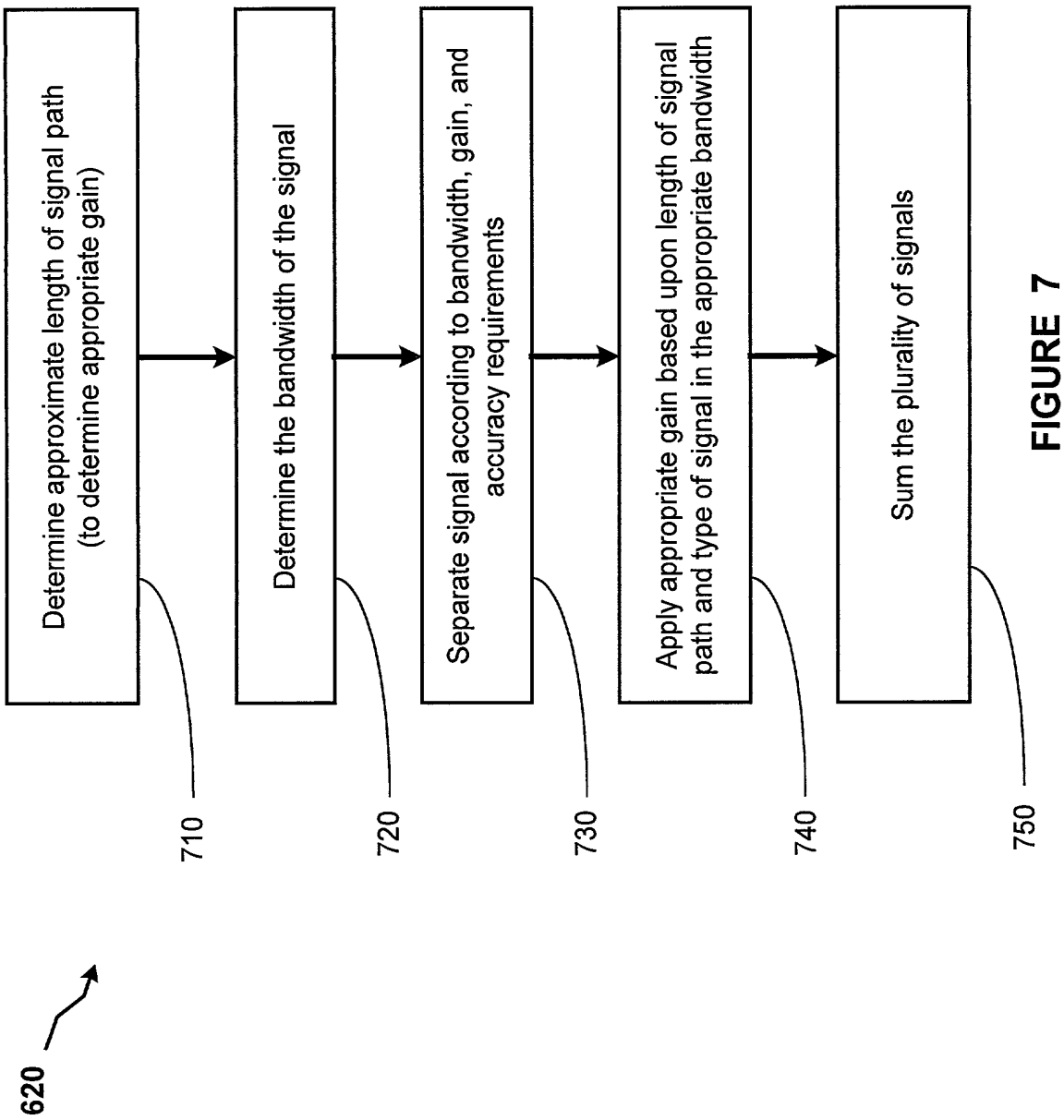
620
Determine approximate length of signal path (to determine appropriate gain)
710
Determine the bandwidth of the signal
720
Separate signal according to bandwidth, gain, and accuracy requirements
730
Apply appropriate gain based upon length of signal path and type of signal in the appropriate bandwidth
740
Sum the plurality of signals
750

FIGURE 7